

Title (en)  
ROTATING FLUSH CAR DOOR HANDLE

Title (de)  
ROTIERENDER BÜNDIGER FAHRZEUGTÜRGRIFF

Title (fr)  
POIGNÉE DE PORTE DE VOITURE ROTATIVE EN AFFLEUREMENT

Publication  
**EP 4115035 A1 20230111 (EN)**

Application  
**EP 21763885 A 20210224**

Priority  
• US 202016811493 A 20200306  
• US 2021070185 W 20210224

Abstract (en)  
[origin: US2021277690A1] A car door handle that lies flush with the car door exterior surface prior to engagement is provided. Once engaged, the car door handle rotates out and away from the door. After the handle is fully deployed, a grip-through loop is presented to the user, thus simplifying door control.

IPC 8 full level  
**E05B 5/02** (2006.01); **E05B 5/00** (2006.01); **E05B 81/76** (2014.01); **E05B 85/10** (2014.01); **E05B 85/14** (2014.01)

CPC (source: EP US)  
**E05B 81/76** (2013.01 - EP); **E05B 85/103** (2013.01 - EP); **E05B 85/107** (2013.01 - EP US); **E05B 85/18** (2013.01 - US);  
**E05B 81/06** (2013.01 - EP); **E05B 81/64** (2013.01 - EP); **E05B 85/18** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 11732515 B2 20230822**; **US 2021277690 A1 20210909**; CN 115244262 A 20221025; EP 4115035 A1 20230111; EP 4115035 A4 20240403;  
WO 2021178990 A1 20210910

DOCDB simple family (application)  
**US 202016811493 A 20200306**; CN 202180018683 A 20210224; EP 21763885 A 20210224; US 2021070185 W 20210224